MSD

May 1, 1996

Ms. Liza Montalvo
Residual Project Manager
Kentucky/Tennessee Section
U. S. Environmental Protection Agency
Region IV
345 Courtland Street. N. E.
Atlanta, Georgia 30365

Re: **Report of Field Observation - FY96-, Third Quarter (FY96-3Q), Lees Lane Superfund Site, Jefferson County, Kentucky, Administrative Order on Consent, USEPA Docket No. 91-32-C**

Dear Ms. Montalvo:

In accordance with Paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY96-3Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY96-3Q.

Sincerely,

Carl A. Neumayer
Director of Operations
CAN/dc
Lees-3Q
Enc.

DOCUMENT CONTROL NUMBER 4480-83-AGVR

cc: Kentucky Natural Resource Environment Protection Cabinet
Mr. Rick Hogan, Division of Waste Management
Kentucky Natural Resource Environment Protection Cabinet
Mr. Jeff Pratt, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)

Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street Louisville, Kentucky 40203-1913 502-540-6000

10861884

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY96-30 Date of Observation: 3/26/96

Time Arrived Onsite: 1:55 p.m. Time Departed Site: 3:10 p.m.

Field Personnel: Carl A. Neumayer, Director of Operations, R. H. Watkins, Support Services Administrator, Maintenance Division

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/ fill material		X		A-1
2. Evidence of leachate seepage			X	
3. Distressed Vegetation		X		
4. Pot holes, erosion of access road		X		A-4

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade		X		
2. Structural problem with Putman Ave. barricade		X		B-2
3. Lee's Lane gate unlocked		X		
4. Broken or missing lock		X		

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	X			C-1
2. Structural damage to blower house		X		
3. Blower not operating or visible damage		X		
4. Blower house not secure and unclean		X		

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	X	—	—	C-5
6. Alarm and blower controls not functioning	—	X	—	—
7. Settlement or tilting of well/moisture trap concrete collars	X	—	—	C-7
8. Well/moisture trap covers missing or damaged	—	X	—	—
9. Excessive vegetation covering wells/mositure traps	—	X	—	—
10. Adjustment valve inaccessible	—	X	—	—
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	X	—	—
12. Blower house and well/ moisture trap signs missing or damaged	X	—	—	C-12

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	X	—	—
2. Guard posts and rails missing or damaged	—	X	—	—
3. Protective casing missing, damaged or rusted	—	X	—	—
4. Concrete pads damaged or cracked	—	X	—	—
5. Possible surface water infiltration into wells	—	X	—	—
6. Excessive vegetation or debris around wells	—	X	—	—
7. Well cap missing or damaged	X	—	—	D-7
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	X	D-8

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving		X		
2. Erosion of rip-rap or underlying material			X	E-2
3. Abnormally damp areas, wet ground vegetation		X		E-3
4. Soft spots in surface	X			E-4
5. Seepage, water flow, piping, or sand boils		X		
6. Undermining of rip-rap			X	
7. Vegetative growth on rip-rap slope		X		E-7
8. Buildup of trash and debris on rip-rap	X			E-8
9. Exposed trash or filter fabric		X	X	
10. Tilting trees		X		
11. Tension cracks		X		
12. Survey monuments missing or damaged		X		

Section F: Surface Waste, Cleanup/Cover

Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep		X		F-1
2. Cracks greater than 1 inch wide and 6 inches deep		X		
3. Areas of erosional damage to grass		X		
4. Inadequate grass cover (area > 36 ft^2		X		
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	X			F-5
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)		X		

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY96-3Q Date of Observation 3/26/96

Site Map

Signature of Observer: [signature] Date: 5/1/96

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No.: FY96-3Q **Date of Observation: 03/26/96**

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:	Comment
A-1	Observed fill material stock piled for placement to fill remaining depressed rutted area adjacent to gas Well No. 6.
A-4	No apparent change in access road surface conditions observed. Continue monitoring depressed road features at quarterly institutional inspections.
B-2	Condition of Putman Avenue barricade remains unchanged from previous quarterly inspections. Vegetation growth noted adjacent to the access road which will require cutting with bush hog or tiger mower during FY 96-4Q.
C-1	Observed small fire arms damage to the walls of the Blower House and warning signs. Small arms damage is evident on all faces of the Blower House except the west face. Minor damage observed to electrical outlet cap on south face of the Blower House.

Comment No.	Corrective Action Performed
A-1	Placement of fill material adjacent to Gas Well No. 6 will be scheduled during FY 96-3Q subject to weather conditions.
A-4	No correction action required at this time.
B-2	No corrective action required at this time except for the scheduled cutting of vegetation along the access road during FY 96-4Q. Putnam Avenue barricade and surrounding areas will continue to be monitored during subsequent quarterly institutional inspections.
C-1	No corrective action proposed at this time for the repair of small arms fire damage to the concrete block walls of the Blower House. Continue to monitor small arms fire damage condition at subsequent quarterly institutional inspections and consider scheduling of repairs to the concrete block wall of the Blower House during FY 96-4Q

Comment No.:	Comment
C-5	Observed valve cap on Well No. 28 was broken.
C-7	Observed previously reported minor damage to gas collection well and moisture trap concrete collars at Gas Collection Wells No. 7, 13, 15, 16, 17 and 27.
C-12	As reported in C-1 above, observed small fire arms damage to the high voltage warning signs mounted on the Blower House.
D-7	Observed bent steel hinge and cap on groundwater Well No. 5 previously reported.
D-8	Unable to observe condition of tubing, fittings and valves on gas wells because all well caps were securely locked. Institutional monitoring of these gas well facilities is scheduled to be conducted prior to the end of March, 1996.

Comment No.	Corrective Action Performed
C-5	Schedule replacement of broken valve cap on Gas Well No. 28 during FY 96-4Q.
C-7	Damage to gas collection well and moisture trap concrete collars should be considered for repair as part of the investigation of the malfunctioning of selected gas collection wells depending on work force availability and weather conditions prior to the end of FY 96-4Q.
C-12	Damage to high voltage warning signs affixed to the north, south and east faces of the Blower House should be replaced prior to the end of FY 96-4Q.
D-7	No corrective action required at this time.
D-8	No corrective action required at this time because Radian Associates and MSD force account did not experience any difficulty in the condition of tubing and fittings during the quarterly field monitoring activities conducted prior to the end of FY96-3Q

Comment No.:	Comment
E-2	Unable to observe any erosion of riprap or underlying river bank material because of high water condition on the Ohio River lower pool at the time of institutional inspection. However, extensive vegetation growth does not appear to be disturbed, and, therefore, continues to stabilize the Ohio River bank against scouring.
E-3	Observed some damp areas on the clay cap as a result of recent rain and snow melt.
E-4	Observed some rutting from vehicles having been driven on the clay cap area adjacent to the riprap slope section.
E-7	Although vegetative growth was dormant on the riprap slope section, spraying by an independent contractor for weed control will be required during FY 96-4Q.

Comment No.	Corrective Action Performed
E-2	No corrective action required at this time.
E-3	Damp areas on the clay cap will be monitored during the institutional inspection for FY 96-4Q.
E-4	Rutting of a small portion of the clay cap area from vehicles will be monitored during FY 96-4Q for possible repair.
E-7	Spraying of the vegetative growth on the riprap slope and adjacent drainage areas by an independent contractor should be scheduled and accomplished during FY 96-4Q.

Comment No.:	Comment
E-8	Observed some evidence of floating debris buildup caused by high water conditions on the Ohio River.
F-1	Observed the shale drainage swale between the access road and the top of the riprap slope section to be in satisfactory condition with no evidence of erosion or standing water.
F-5	Observed a minor amount of ponded water in the partially refilled depressed area south of Benchmark No. 4.

Comment No.	Corrective Action Performed
E-8	No corrective action required at this time.
F-1	Continue to monitor shale drainage swale at quarterly institutional inspections for any evidence of erosion or standing water.
F-5	Schedule placement of additional earth fill material to eliminate minor amount of ponding in depressed area south of Benchmark No. 4 during FY 96-4Q.

Lee's- 3Q-96